

Date: Tue, 24 Aug 93 20:30:07 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #1010
To: Info-Hams

Info-Hams Digest Tue, 24 Aug 93 Volume 93 : Issue 1010

Today's Topics:

Control Operators
Daily Solar Geophysical Data Broadcast for 24 August
How Long?
ICOM Rebate Where are you!!
Rejecting by 4X1RU packet radio BBS.
SWR Meters

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 25 Aug 93 01:46:33 GMT
From: ogicse!uwm.edu!math.ohio-state.edu!howland.reston.ans.net!agate!
iat.holonet.net!bwilkins@network.ucsd.edu
Subject: Control Operators
To: info-hams@ucsd.edu

lker@ecst.csuchico.edu (Lowell N. Voelker) writes:

:
: I have a question for people of the news group to answer.
: What are your feelings on people under 18 years of age being
: a control operator for an average, generic repeater system (ie no
: autopatch, links, etc). What about a fully loaded repeater (ie with
: autopatch, reverse patch, message boxes, etc)?
:
: There are several people trying to answer that very question.
: Several are for the idea and several are against.
:

: History of repeater use:
: ARES functions during times of disasters.
: Community civic communication provided when asked for by
: organizations.
:
: I would like to here from both owners and users of repeaters alike.
: This feedback will help in making the decision to give or not to give
: people under the age of 18 control codes for the repeater system.
:
: Lowell Voelker KC6SBJ
: lker@ecst.csuchico.edu
:

Why not ?

Most controllers today have several layers of control. It is easy to give the users of the club enough "control" to have fun with out giving away the farm. Control is only being able to turn on and off the transmitter. All the rest of it is user functions.

If the young hams can't play....they will build their own system. I have seen several repeaters here in the san francisco bay area built and controlled by teen-agers. Come to think of it...I don't think they let the old farts control their repeaters ;)

bob n6fri

--
Bob Wilkins n6fri voice 440.250+ 100pl san francisco bay area
bwilkins@holonet.net packet n6fri @ n6eeg.#nocal.ca.usa.na

Date: 25 Aug 93 02:52:21 GMT
From: news-mail-gateway@ucsd.edu
Subject: Daily Solar Geophysical Data Broadcast for 24 August
To: info-hams@ucsd.edu

!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 236, 08/24/93
10.7 FLUX=090.6 90-AVG=103 SSN=079 BKI=0113 1011 BAI=003
BGND-XRAY=A7.7 FLU1=2.9E+06 FLU10=1.1E+04 PKI=1113 2112 PAI=005
BOU-DEV=002,006,007,021,008,004,008,006 DEV-AVG=007 NT SWF=00:000
XRAY-MAX= B1.6 @ 0502UT XRAY-MIN= A7.0 @ 1838UT XRAY-AVG= A8.9
NEUTN-MAX= +002% @ 2110UT NEUTN-MIN= -001% @ 1630UT NEUTN-AVG= +0.3%
PCA-MAX= +0.1DB @ 1725UT PCA-MIN= -0.2DB @ 2255UT PCA-AVG= -0.0DB
BOUTF-MAX=55369NT @ 1325UT BOUTF-MIN=55339NT @ 1659UT BOUTF-AVG=55360NT
GOES7-MAX=P:+000NT@ 0000UT GOES7-MIN=N:+000NT@ 0000UT G7-AVG=+086,+000,+000
GOES6-MAX=P:+123NT@ 1807UT GOES6-MIN=N:-062NT@ 1849UT G6-AVG=+104,-001,-044

FLUXFCST=STD:095,095,095;SESC:095,095,095 BAI/PAI-FCST=010,020,015/012,015,015
KFCST=3233 3232 2223 3223 27DAY-AP=005,013 27DAY-KP=2221 1122 2123 3343
WARNINGS=
ALERTS=
!!END-DATA!!

NOTE: The Effective Sunspot Number for 23 AUG 93 was 50.9.
The Full Kp Indices for 23 AUG 93 are: 3- 1o 1o 1o 1o 2- 1+ 1+

Date: 23 Aug 93 20:22:14 EST

From: swrinde!cs.utexas.edu!math.ohio-state.edu!magnus.acs.ohio-state.edu!bgsuvax!
uoft02.utoledo.edu!tulip!mohan@network.ucsd.edu
Subject: How Long?
To: info-hams@ucsd.edu

Watkins, Robert Shawn (RW884@CONRAD.APPSTATE.EDU) wrote:

: Does anyone know how long it is currently taking to get tickets back from
: the FCC? I took my Tech no code on July 17th and they told me 6-8 weeks.
: I've since heard as long as 12. Can someone tell me how long before I should
: start looking for it please?

Hello,

I took the exams for novice and tech+ on June 10th and am still waiting for
the license.

I have used this time to put up some antennas, build a keyer, and practise
to send with the keyer. Listening on the bands is fun too.

Talk to you people later. 73

--mohan

=====

+ Mohanakrishna Pakkurti + mohan@jupiter.cse.utoledo.edu +
+ HOME: 2239 University Hills Blvd #204, Toledo OH 43606. Phone:(419)536-9073 +

=====

Date: Tue, 24 Aug 1993 19:21:13 GMT

From: dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!spool.mu.edu!
torn!nott!cunews!freenet.carleton.ca!Freenet.carleton.ca!aa895@network.ucsd.edu
Subject: ICOM Rebate Where are you!!
To: info-hams@ucsd.edu

Hello ICOM!! I am still waiting for the promised \$50 rebate offered at

Dayton in april for those of us who bought ICOM radios at the Hamvention!
I have written once to ICOM (July 5th)
but I have heard no reply! I am not impressed! And I'd still like my \$50
too :-)

Anyone else from Canada go through this hassle??

Thanks!

Cathy VE3JFA

--

Cathy McLarnon (aa895) AMPRnet: cathy@ve3jfa.ampr.org

Date: 24 Aug 1993 20:29:43 +0200
From: dog.ee.lbl.gov!overload.lbl.gov!agate!doc.ic.ac.uk!uknet!mcsun!sun4nl!
hacktic!not-for-mail@network.ucsd.edu
Subject: Rejecting by 4X1RU packet radio BBS.
To: info-hams@ucsd.edu

Hello packet-loving society

Yes, a bad thing has happened. 4X1RU, sysop of 4X1RU BBS,
maintains an extensive reject list on his FBB-BBS. Now, it
is the right of every sysop ofcourse to put people in a
reject list, but:

- 1) If I am on such a list (which I actually am), before I'll
be put on such a list, I would like to become a warning
of the sysop, why he wants to put me in his reject list.
Maybe I can avoid it in the future. If I don't listen to
him, then it's my own fault if I'm rejected.
- 2) When a sysop puts someone on a reject list, it would be
wise to review this list once in a while, and people
which seem to obey more or less to the rules should be
taken out again.
- 3) It's not a good idea to distribute your list among other
sysop's (in my opinion, and 4X1RU actually does this).

As you could have guessed, I'm on the list as well. I am
categorised as sending out non-English language bulletins to
EU or WW. This is *bullshit*. Yes, I sent out a few bulletins
in German, but they were only sent out to EU. The reason that
I do this is because:

- 1) Not all Germans/Austrians/Swiss speak English fluently
enough to understand me.
- 2) In the eastern-Europe there are a lot of countries where
they speak better german than English.

So, it's not up to the sysop to decide that this is wrong. If I would sent out frequently bulletins in Dutch to WW, then it would be his right to reject me.

There are a lot of European users on the list. Many from Germany/France/UK/Italy/the Netherlands. Because our packet-system is far from optimised (read: software correctly configured), it is very well possible that my bulletins go to destinations, which I didn't want them to go. Should my messages aimed at @NLDNET also go to other countries (except Belgium, which is part of NLDNET).

Boy believe me, I don't like this list. I hope this won't ever happen on Internet/USEnet or whatever-they-are-called-net (but we have a democratic net :-)).

By the way, I am not against maintaining a reject list, but sysop's should apply it with common sense.

Lastly I have appended the reject.sys file of 4X1RU. If you're interested, unpack it, and see if you're in it. Sent out your anger. Maybe 4X1RU will change his mind :-)

(The list was UNIX-compressed, and then UUEncoded. Apply the reverse order to decode it to sensible ASCII)

----- cut here -----

reject1.Z (Part 1 of 1)

```
section 1 of 1
begin 750 reject1.Z
M'XL("%I&>"P``')E:F5T,0"4G=FNY,B1IJ^[_G^(`-1<S"4S-87")B+D2]WT)
M,O:;1G8I59U`JJ10606UYNG`&70S'OYF-X(`Z>2G+YR^F#N=3B?YP[__\/:6
M??WVY6U,J_3\X_2890*?_WSS[LYX^?<?S+_._SMRX\_]K]__?GK+S_^./[Z
MYQ]??_GYQQ^3+]_-`Y_^.^/JKH5&9/_AC^_F_WS[_]-.7W_[X\M>W[U_WY?Y
MYR:!Y//7;_]^\_.W;[]^\_NN7W[\;-KY%;UGDC'`Y]NGUG_<7&L+WHAPVJ*^=
MHMB2SNMC(/M+NR&=7TYG)G,>IC]>.?W^]OW++W\U^7_[^Y_?_OCZFRGX3[^
M]07+][=?__;VGW]^_?;E(ERF(3.M#U2$AV&;?ZZZKU-T@_HTU02.$DT;M"G
MCWCY81KZ]W235!8[V7A%U-ZWJ6!=,EU%XD3MSYRT/<.OLNM#^=5%"Y*[4Q<*
MA^B2<GY(+_4FBV7M#'$$_+=]B,2,*MD[YSH,ECL>80L+-PFTC#*E3/]<C
M;EKWS^^;MOWUER]OW[Z:_K[E^_?/_\A5HV#8/K:50305ENFR-_[^,:23IA
MX?O'$Y"?G[;16%[=<PMH>K\,XP8U89!?!@1Q0/<9^&.=[;]'2BZVU;0:$;W;8U
M.[5^<XLWZ--';*VK<Y%10G1)_IZUS6;<^60M?_?'WW^X^WS[U_>/G_[Q^=_
MFK[VT^]?_C$WR)^_B<[5%T';;VOS<0;'>^Z/-T0JF#Y.^RF_]B23^5MESRZ
M#>0'B+1/])\?_N_FW_\#40F/[3_#(HAN6U1'?A6=MBR)WL,BW++41&YQ0[;/
MZ@CS[8:G!ID7/>HMZXM=%([`Z0>AOP)[^E$T4<?X]6]__-&-ND<MF]/WT%I^=
ML/_81Y>_&"\HONSR04J6VN$N=,)$.+$39&2?->5%RO$@./T39:;1T%FJ=Z/VD
M.):2XQ1/Q5GHO^*X4:DX"R7':S5GH>3X3UG/1,D)\DAQ%D.K.7COS6$K.(='R
MLU!VKH7FO"@[#RW/"R7GF&KY6:AUX0=>G@:(DN-<&\59*&E>J)3+4G+\*5.<
MA9)SK.0@2/3]S4I!W2K20BFA_5GV,*+62=Y3.2P396=0`M%2<IQ*Z826DN.6
```

M2N\$M96<]G[U]E!X?#^9=E):WE)S@<E-"B#!9AUR)#TO).:::T19J'3/C41Q+
MV:G/F0.B[)SNFO.BY.S"5'\$62HY:NDLE!P_5BK(4G*"
E<A9*S7]/YT&06
MDW2XGY2\$%DK.\:15XD+9>2J#JZ76R9VT40Y&F*UP4LI/>\$TK5(*6\+]XQ'Q0
M6H4P=>W<1(121L*<6/UOPH`P6;L\50HWX=6Z*: <^PFP5RAAH*3ME^-2D!;.5
M15K56_PA5UH)+6:KS900)<S6H.9]V.1]BN25#6.RW#!41E7";)6Z56ZM-LLU
M:\%L97#I\NDC9JN/U+063):7:ME:*#MMUFG2@MFZ*R<@2\GQLT3+D\5LU:\$6
MHQ:SU>;*:9'P:E5:WBUF:PK5?"V8K*!+E/&(\&I%6F^UF*Q]&&H#A,5L=:D6
M\1:S-?:]*+D'+) ("WB+V6I"+>(M9NN1:4UM\6KE3]5Z8;*.8:0-IQ:SU69:
M/5B\6MH\$F3!;?:B--19;JWC/-Y?#UB+,5ADJ,4B8K>:FU!=ALIPA5,9<PF3M
MBE")0<)LM9'2@PB3Y=5:31`FRR^U\$QYAMIJPTJP%DV4"2<N]Q1^LFV[=/EC'
M6IOV\$+96]9XKF;>4G4GI/Y:R\U33>7Y,QTF4\+.4'+=5KBTL9>>F!)6EY'C:
M:=52<GSM6L=2<H*S,O!92LZ^THZU4'(.D5:!"R7GF&KI+)2=6ND\$EEJGW07*
M(&4I.5ZJU+.EY/C:.H&EY!P>2GXL)>?8*Z<82ZW3.)\$RW%0*3JYEF0!J39%J
M03!;5:%DBC!;]54I'F&VU/,_8:Z5+F<(<S60^NUA-EZ:J,)8; ;24!E7"9.U
MRU.MC!:SU49:[BUFJ]?F"839FA*ML2UF2[L8MY2=1Z2UM<5DN>&HQ8W%;"6Q
M:BV8K4Q;0"*\6K%NQ1NK#K6XL9BM1HT(B]GJ8N6<0'BU\$F7N19BM48TNBS^T
MHI:6Q9S6(U'+N&"R/'660YBM1@04A;+3)<K>@3!;SU"+&X0)\K-(&0')KY9:
M\Q:SI<[&F^UL0/\$?VNH28;*"-3ZHL4?+"U?%K.5J%*R<;)8R[0%;-6Q%@\\6
ML]7I:76;M/9AJT6-Q60=4NWZDS!;:::-A:SU4=:+[.8K.-#'<',M7E`:.NE#
MCH*,V5*BF2@[8RQSQ9@L-[[*T8:Q728Q_>XJS7I13NHJIRE\$V<E3>5IA3)8?
MMK+:&;,5-3+^&*]6*R_.&+.5GE1KP6Q=1ADTC,G:)[E6\$1:SE=_E!0)CM@;9
M+XA:)W(R90F+\6H]9>=A3-8NOLAABS%;2:6T(N'5NLJ`9\Q66BH!3Y@L-T[E
M(,)XM92[%(\$92GJEK0FSE4;RE,Z8K3!7>B+A-:U.:60"9/GYHU(LB]DJU)JP
MF*TRES,@QJLU:'50,5L/+2062LX^0VHQ:+&URF.J=&M+%Y+M\$GD2L]`?:?BRC
MRD)K!)%R[X,H.TKW(TI.W,DS"5%RDIL,..:+DY)5L#*+D%*FL9:+6B9U0F?0Q
M9BO)E.(39BM5%JL9LS7%,KX9L]47:EH+9FM,E"HGS%9W?VK6@JV5Z\$=,MD<T
M_[S+GLZ8K;&2IT#&UDJ#-*ZD19A;6EEY),HES":EJ0FS52D7K(Q72[FOPGAM
MGT[I,X39&CJEM@BOK3BH; ;W@-6X>RA8DPF0-%XI%F*VI5"J5,%0=18EZPFM:
MRKTCQFR=8Z6?\$5ZM6LX_&/<..VD')\$P6]U%SAD8KS&HS+@9+RB/]I&R2,Z8
MK:&1=<_86N_A4]Y\$(TI.7,CN0Y2<M!P59Z'LM')2092<7-G'0I2<HGTJSD+)
M:=1R-9MR=8F<[!%E1SG]\$R5G;.4\G*AUG*2478\H.:ER(YXH.7D2*<Y"R:F5
M=0^BY%R42091<IXG.1`0M8X[WI50M)2<FW+M1]0Z7M3(`8PH.<E=>EY"B[
M/2PDHW0*89<H.>-)#@]\$V5'V8!(EYZ*LL1\$EIR^U_"R4G*LR7!\$EYUXIK64I
M._6H.2_*CK*YBR@YST3+\T*M\$X3*- (XH.7&G%) +R:E+I0=:IU]JK6%I>3D
M03PI\$V5G4(YE*3FE-K)82DXS*05L*96K*Y21SE)R*F7MF"@Y-V4C`5'*3U3(
MRP"BY!0GK>P+7<NNQ)BEY%17[5@+):<^*^6RE.NP5.K'4G9R>;HDRLZ' [<4?
MG!<EIX^5D==2ZQS"5BF7I0L10E?),U%V.N62GS%9WDV>FXB2XX>]',096ROW
MHTP&"&-K1<<PETW+F*U8F8,Q7JV3DGG"JW63%<J8K217<D]XM90`9\Q6'LEA
M@C%;92D#AC%;0;) (S'BUY#A)= '64<+"4G?&FUL*"5^NNMN8"V9J4I5_&;)T[
M-:T%LW53MCPP9NNNW!G3' 'J9LJ@P)BC.<Z4M`@0J*S?R[N<;3-FJU)6#AFS
MU;659BV8K2%6K06S=58>DF!,EA,^Y*F3,5NILMS,F*U,68]E0%J50,IDS%9>
M:V6TF*WJ+N.+ \0=+]D7&:#61)C71YH"=LL>",5M#(__C-DZZ6F=MFE-A5H1
M"UXMY5*4,5F[LM\$:R*&VDNRI60MF*[_+N0ECMOJ;%C@6LW7:/`C\$UH+)<0-6
M.Z+%;`TG.3PS9FM,M>YH,5N3\LO48[*\ZJ0%H<5LM;F6EL5<\$YUR)XDQI]4]
MM?BRF"P_BN4,@3%;K5H3%G^PY*R%,4=A.VEI64Q6D)3:@&DQ6^E5ZQT6LY4I
M*YV,V2H+;<BQF*TFTNK+XM6JM)JPF*WNH@V^K/59VKN%\S6\)!G;<9LG4:U
MC`MF:Y3/:?T;8[+V]:5T6*V)F71AS%;9^4>/F.R#I6R8Y@Q6[TZ?EELK<ZM
ME<=F&+-U[I5>2WBU+J-J0?!JW921B3!9?MQI1[386N=CVBNU2IBM%?)B@C!;

MQ5V)@L-<H5"6.VKI72:PF0UE-I(<)LW96''!A;Z^I&M9Q^,68K3Y0S#&%K
MW=[#7CDB8;8BK0\19B06CDB8K2156IOP:FU&IH&M8G-\$[78!8[9.RMY;QFR-
MFPL3/N+XX<*D0)GYGS(R\$68K408J,UZM4:M[B]F*M3D`8;)V2:M\$(>'54A[Z
M8KQ:=V6<(+Q:#WFIP'BUGLK\BS!;::ZUH\6K56AU;_%J*<_3,&8KT\Y\A-G*
MM5&.,%N%-ALB3)8;#EH+6;Q:RA8)QJMU4483PFQ%RG95QFQERM,FC%=+FST2
M)LN+E8M,QJMUU48`B\GRHU'KM1:OEC;D^--'\$<>/:^7,09BL(!RUJ+>8K4B[
MX"/,5C<I9P["9.VCI]:#+/[7:M[-U; '\$XM72NL9"V1DSN0;) >!D:36.%FRWG
M-%I:S"T=7=5X6!/J/92S,>\$U:C:[8/F(\8==L&:J'R=W:1%>TSII0=_BU1H;
M]8CCQ[[HQ\U3C:X77BWEOAMCMA*MZA?ZP='BP>(UFC0-LGB-9F6K%,UFB,M
MMBS^UZ+Y\$%TURV*VDE:YXB!,UC\$<*L6RF*U(V6_*F*VXU"+"8FN]9]K\$WE)R
M.FW2:"DYUVY4G(5:QPF5]5NBY\$3:A-Y2<LI8"4]+R:F>VK\$62LZY52K(4G+N
M20@ND(RB4H9/2]FY:\$=:J'4\[3K,^W@5YI7*BCM1<II<J3]+R;DHSP3M4X0
M:1<PEI+3*+LMB9(S=4JQ++7._M8I>;4.H=8>B.*#0*(UU\$%U(5AZF1@<%X
M077KW>71B)(3W&2')KJ0)G24'9U\$R=G)&:"%G(IR:YDH.7Y2R\$AES%:J6^G6
MDN.LA6R<E;NGC,D*E\$4IHN0<<EG31-DIY1A%E)QCICD+9:=7-J4QMM;%R390
MZ[\$68;+,M%K).&&RW\$BY" F!,UCY4KGX96^M^3)5FL70AW;Y4=J0174B?.E,K
MC\ :8++=N9.,Q9NNF;-]D3):?]C);C-G*E\$?^&),5Q*/L+XS9*I6M<HS9:DZJ
MM6"V+LHSVXRM53BU'.&)LM,I5XZ,R=HUR09TQF2YG?((`./5NFE'M)@LOU&N
M[1F3%33*<_,V>J40;J,R3JV5SG_8FRMVDDZ)2((KY961L)D[2ZQ<D3"UNJ<
M4-E4SGBU>MWJMY9R9XCQ:MV4,A)>+>7-'(S9BI3G21BOEK)!E/\$'2^G9A%=K
MJE3KA5=++V.T+6-<R(D48[9JY4X:X]5*u)I8\&H-RAA'>+5R)7((L]5,:NX7
M3)87*GOH&*^6%JN\$5T09/\EXM?I1M5Z8K4*KU(6NCE9970&QKKQ:N6/"F*U6
M"ZV%LM.I1^LV1U,NEHB2XY=:)2V4G5I>P!%E1]E=0Y0=99F.*#F!\D(!HNPH
MK[0@2LZ^5H9L2U='Zw8+94<-V_TF:0=G;2!;*#0:1,!2ZSR=>%)Z)6&VBJ=R
M_B/,5JGL[&3,5AC+V3[CU2J?J07";\$6E\$B:\$US(J#Y4S_F`I8S#AM2:4C46,
MUYI0MKDS9BM5MO(S7H\8*F%>#WB0ZW5!;/5/)4I\$6&R=I'R7AG:&UJC<L8E
MS&EI\$R=+V5%>7T64'#=2[B`Q9FM0<VXQ69X>@=XV`CWE" H\H.7XX:.UL,5F!
MMHF?\6I=M':VF*Q]J);08K;T>MA0Z^\$8*B_>8[R@(7P/0YE[QF2Y82]CF3&G
M%86R4AFSE7;J\$1?,5EVHUUH+9JI0'.QB05C&JU@N01U2>(F#,EK*;CNCJW)ZJ
M,)L]<I^0<9L#<I^#L9LC<H]\$9L796MCHS7ME9>1,EXM92[\$XQ7ZZ*G==FF
M]9#C%F.VHJ<\D3/^8&GU93%;L?+B&, :KI<P=&:^6,BEBO%K*4XR,V4H:M587
M0%IG>59G0%K*-0#CU5*>^V#,5JJ<B1FOE0+<"^/5&G5KW%K**T\$9? [#4=ESP
M:IWE.,YXM6[:Z&4Q6]H;Q!B05J:-2Q:0E0:)L:KI=PP8+Q:G1H3"UZMB]J'
M%OS!TLMXV90Q5]YBP7BUE`L=QM:*WL-*J70"UDJ=<%*.2'BU+DI-\$&8K&I1:
M);Q:8Z5:+\Q6?%+BBS!;F;*5F3%;N;(!GC%;A;*BR)BM,E5&7*KI3QJQ7BU
M3DH[\$EXMY<%XQFQ5L5K&!:^6\FP2X]52]@(R9JN.U'S5T29?=:&FM>#54IZK
M8KQ:9[6U%\Q64RMS#L*KI3RIQ)BMME;+N.#5.BOG(<*KI8T`A%?KKHSDA#]8
M:AD7S%:71IJUX-52=N\P_F"IN>^3>X[Y?#\$0QJNEO!" "\0=+W@AC_,%2QXD%
MKY;R^`3C#Y9:]PM>K8LZ3BSX@R67?ABO[:B-Y(0_6&K<+YBM7F_`?MN.VL/P
MC%?KH>9KP6L?2M0R+GBM"3VM;IM6IT=TMXWH/E9;>\&KI=QF96RMTAN5!2'&
M9!U"Y=EMQFQE-RTMB]E*E)U3C%=>^3(%8[9R9?<A8[:ZJQ+1A-EZ@]0,; ;6
M\3HJ86_I0L8P:)2]P(RM=?8N3RE9:IU;H+RHBZAUGH'V]" +C!4WUN_)>3*+6
M:=\ [97[#F*VS,E=B3,?;*:]0)DJ.KVP3)\$I.\)#37:>H^:AYFC!:^F49\P9
MD[4K1]DLC-DZ*]L<&)/EC<K^!,9D^5&MI64Q6Y/R&A/&J_608R1CLH)4"20&
M;&6AG!LP9JM10HO`F*V^ES'*F*USI971XM52]DLR)FL?Y0+LRIBM+TT:\%L
M5<J,BS%;M?)>9L-<I;U!BS-2B?+F#,UJ@\\$^\n8K>FBU;W%;%VR4;,60%K*
M%@_&UAJ<2JL)PF3M;LI>5<9LW96[?XS)"CIE%8\$Q6<=0V23&F*UNE&=7QFQ=
M.J56";.EG2ZF[?EBNCJ1\B9,QFPI+Z(B:AT_2)4/'C!>T+EV&QG.1!=R"=UP

MD'7%F*QC+T^L1*T3>87R;`ECLORQE` ,]8VL]C[TRPV"\H&NZBV)Y1,9D><H%
M\$E%V!F4%GK&UZEVD0/.` ,5N9\ C9PQF2YB?+H-6.V'LI;9!F3Y3]C.>=D0%HW
M+2V+K779/94WBS.VEI[Y3=X?T?M3>2<E8VN=S46<'\$,8+^@9[90E,Z+6F8)0
M>9TAXP7MARF%0<:[U`F5[R\Q7JU"MXK5\KJ=,F,GNI!CX4<R:HDN)+R<^ [UL
M!L8KX@)]1.. ' ?30[H;G(T":ZDK;\L#A_#)U8>?TJ8[*TTA*ETCI9I91VH<NW
MS(:OOw^X\O;K[^__>WK3W]_>GKKW]^?_OI\=[=0;]^__OP+=CLZHQ0D/GY
M5FT[.^\$%S7>B/MS:F`]X^>607[Y__?W+7]>/U_V?OW_^^LU^P2[N=]5VC7/^
M>IIRLX+Q^^MW2;,KPW%
C<WQ=M7>K6WQ@M+0K6LY;6>)) ^&?@Y[[M/(2Y3=
M@XR7'^;02?KQ1&"(-UVY\$203QG:Z:GY7Z;+4^5=(.50Z67^.!__/[==D6W/
M+N7[%5Z05?I3;C-<^0?'1<' +(\J2W_S05-''1K6)+T=_%7(:TG&+S"GPG(T?
M";^9<?Y?[[X!KS]0'YHO>]]LGXSFCUFDFP:-^%,%4W@^7U?>'6Z]9I#`>_#
MF-\PJ]QUG3&/?TPK1X?POFV;+' :*S8?"Y@:\;1[0FC_@]<_F^=1ZS_@#XWO@
M<Y/ZX6:^'[W5D??8['4W*/:F:'N` .0/Z"LEF%Y\AS;ZLMXD0?]?:./WPPP\\$
MY]U%R;9\$KX6488/,F3R_W+:H]NK+' /C^?R`8]QN5P+/T<^W.3/G@>BUTA&V
M\$U_]0' "W><YH22PJFX2_[K" @I,S3Z;Q!6=^?M[\;QEG;YBOG-Y\$NH\$W+[M)M
M?Q;&.81RV8:8T!0V6W*ZA'4Z;="8QN6P6D.XV[ZS-GJK4N\4;]%\CK1S)% ,W
MVTH-QZ9>R5]^^,NVJOXB2/,7` #_\Y0<"\]C;_?K+_TY_?G;U^__]?;M\R_
M__GYYR_K,/SV/\TP\ _F70YK&_%\T&IM!=G,N>J\$XW_:W>'*V#S8N/[Q7B*+-
M*]9L6L)*-D^H1?.7,<,!B+MYYL^0^R&"\2-TX%)-Y&RV] LUD=ZJ1/"8@[N9F
MS8N,&9(S#&15)Z`[#>0#`R1\81D\]*N%[GAK[9?D7R19P/D",-\$CMG2"?>
M;99\$7B2'.HS=S<+#B\ "H8,@-?^7E"9(^1/*\$DL;^"5HGWL.W;)/X\$.*0#A&F
M?*BW\$9LD[UF.!+YMG21.!D=/=E&')+LCV7RLZ44N,9(GINR>3H)`'2:>.+I7
M]D!\C/DDF+!<AQ1_= <@A?I)C@Q'U7EVA6B-G/`/9E=A50"C!#"&)@A+3V5\K
M0:Y`#CUD,7X?,!2<!X:X<\?PW54UDA,T6.R&'9(3IAR(KH(?OS;D"<\$1'P88
M..)CC0'D)-@\3@EM@9^-->T59A;&Y?T)/- ;\$@HJ!/GG\$XA8)`X;/WN.\0)="J
MF<EU)=&("`,_<\,K\$HRSS-T\;_LB;8'D" L-;YN\$PD'E#B.1\0_*L!<'`^&/
M!.93AF3B5SGFT*]@(,^",D^QI+N< C*)C`1-&3\$8^W/6(>'`^-X2\$Y(*21
M'5KA#)CGPQWKYW#`/!^31!`LZ3\$53H;U?"QC)#W&YG&`-LW?FQ`[V3M\7CZ9
M/UX/I<`/=/T8\$IT\$RI&D4281'L])L:US)]ML?5N0S\$, .TZH9X>3'H-L548DG
MV!F)3(BN/-_.H`>2[=Z+!=U\$YKLP0=3CH)`[CPS;8A>CM\$M%KN`KK2_4B#K=
MM5DL4'5#- "7BB)/(U2.'\)\L_JXJ%A@^POE`4]8B2")-WLU@DG^&@,2-L,3?'
M[CXC#\$'XY&NT?,A5)-]NMN@NJ,)6-`A[AM066,]N'V'G="<1;^X=4_>2S?;8
M%TKA:MN@+,*V]G"8R;TZQ*KQ.IR]SP@#PNMV'V\4?1A;Q!*!ZMUA&,M]&1!^
MBBGYF92R".!/+T/,J%_+']8X(OF-&`P,PK;W&]\$W_;;\$)01'T:K^0Z05B/`.
MD@A3#W`ZD`
<UGG_SH)%EGC:WRU^6Z)K!E."H%4S8-L\$CP_X;//":)]]'(M3V
MV\^005`N\KY0"Y%6EXH?XMPEWS]\$)!^2&),Z)-C`#SA7R0\I-ORAPK(<VA1[
M\Z&+L(8/G:C/P^8V]8N,,=; !84I%ID0?.3RD]!\$R#/(\$2)#[F"=;=<.IA4%
B M13+'B[+\V.88Q,<1*^&X_0K?"XEX*=YSG(S/J\$#4ARFB!YZA"R<1ED\$3H@P[
M9>%49R0X0A=.@R-MX4S8<XM=&;:(1HFF\$**H,.<JK`=W\[[\%QEP:"_<*T1:
MX<E:,*<\$3-P;\&Q<^+D@->-U8^*- (W`PZ6=%!CZ>NXA#`^K)!&:Y5S1*AKJJ
MWD/L7M5[*:1:KIK7IS.B]B'(&"+J(.OP<>`7*85S:9#<H>ZJW>DJ"*[;LXAA4
MN3@GJUQ<9*0<"E-V.RRJ>X:0:[P\QF)X=8<%\$QPJ#R^A*C_&201QSE,%V-95
M<,>4]QB2U?X*HU%U2+&H![P0K,1:6'488:RHC@V407Y/)QB/YW<((*E/2(81
MR0F3=L8K\$KQ.KYT;M'.]>V(Z+I[>:W?"7WEAC:2.D."B6NT]T?&3#E6("F@
M4>M]@36V0*\`D04XMM;[" ,NU%_5SP'E%?6C.@D"X-. \XLC>.N`PQ"+N&N<`M
M!,+3KD'5*%#= "#1VB!*<B!J\$G<@0@*)IG#3K!<I%)M)*9#6M)D0YMI5!52M0
M70LT)8B*6&2BQ"E>`]\&LD@T4!V+W->B8<WI6"3?9B*KXJK:H\$3\L,/)6>/T
M<8QHBK%R=B\$N=C:[),XDPKK?I;A<TNRR%&0;(&'E>\$IN=C5>VQN\$G=>@\$0NT

M:R(%B1^V286HPVL* @_#>0K/K1=.:><]=H"1'=\$VQ)MQ01(Y;XU2A<=LHE0@C
MQVUS\,<,!(\Y<CX0?C:>W3'&S+M7++3[2#%77BB&! 'GH_&2Z"&1)!B!7H8S
M+8-P@&V\(\L*F\!K18%X;BVQU"4:@)TLCYOXS\$=@\B\$[FB\FK0;@^8U`I"\$[D
M&C\7/=OL>O['5['&R3:V2",!K\79PB_QRE\XP]WD:U190Z"/<R_8T/[CQ0K
M.<"7\$V09SC<!;7(5-\L4(#.70&;2U^V(I39") ,UG0)1)=L:L1?,(J@
M"2X95D0@JB:X8W` '#Q\$RP>,AT!.04AHS`\7N!!_\?B%<M#<\$HW9?8*>V(=XD
M;?870*5C\$Y5F_U5G)X.8NP[1.(D<XA)>D8!PYI@KDZ9#\$VS4'\$U:\$(<;`X
M%#&6YE"+[G5H\)] [1B*MMA69;S'<Y<J+02*&#CW>*9@1GE@/DZR'2:ON.NKA
M)LY[AX=(^REF(8<G+G,;A+5^3\$6]R,48@SHLW[']</F6(N!U2",AF.'*^8&
MB?'^V(NYUW'\$!; ;F..&"27/<0%7\19ZX'&IONBU/&CIA70@\$]R,-BC?:J5G0
M-4\$4*x@IDH<SK2%I6PIT[1'!ZH\$A@T@;U@'2<!-=F/-=B,7;19E\$.9*X5='H
MT5F@#0.Y*[`_.@=.6=S?"238-W3#\$W[GA5`MTPM*X(5:"&XF LNW&!T>\$F!;:H
MFpxIHAQ6(&:487G<":8J?L" _58R5XD:M2+85W,(%_-?I1C_?GQY8\$HVSR,
M^\$+%'<>DH4H*=5FD8E!T2V.=IR!6S00\KS-\$^F./:^QCK=Q^?`! [V?OV&5Q-
M&)1G6,'[_":R58A>LS_=D(B?'<(1\$S^\$5VR]0W01*,6(/718"4=88DPC)TWO
M`DW"RM(,40YK%P;U#9!=`I=/:62Z'QYPE]2)0:#0N1;L4-KC,Z-R*Y' XBF1?
M-A;&=>2FIQ)1-%T0Q3DF[\6P5F<Z4C)5:\$73"5%68;']Z")Z202[0HR5AU@Y
M?M%C:_C%&`D\$<X897;#1_#+'80ME+S)184>,@AL6,;@.2)X8\$/N\PH#8YW`E
M-* .3L#H8^*)#E&+K" *T3-\9L=X/T1FL)(CAJCL+G7*X(FJ?):(. `MR@*:T1
MG>\$.6!8YS>U_,^]Z0(W*V7Q!8T.9!QQ>*8H'B+D&4M" *M[4/J"X*QQJ`4
M-AC-J!D\$>CX09><*49Y!=2I%0@J(^1G!U?^,SA.B,A3Y*F-1\$V4L\E7*Y,M4
MI@7W&E] (%+0*Q`^K4=1J<Q>9P%N9,RJE=9)HDC^\\BDQT)XENHG*Z6XFH+T5S
M].U%H"D4Z"X" L[^+BAY@D6A&FUL]GU[HU@L+)MDS*D5\#96(KS\$3F1BS5J!2
M)#]B=S>HK07J14V,DZB0\$<;4&3U\$[D<<<V)G*D5-3+6HPJF6/X2[N#-J1.ZG
M5F1BVCP&O"9^W,HN@+<\$<X2,SJFB')8+C"H@NNN&>4UHA8'IL3I8)9N4!^+
MM/KN*=!=)) - _!1I@I6A&E2C0,+0"/3*)1+%'V#\RHT:D-<+4?4:PA_J%<H%N
MHMCGS4M/#\$K%XQ\\$\SPLI)S=A^OE3!2I!!37,7J"\1=5TG\$,R>9W2!8J?^".5)
M@Q36` W*-G=%/[T0]L8TR&&/MT%&C:4.BLW[S%ZHA.UE6>;4L*1CT`@7%@9-
MY?:ARBS;-!=LJ!.,:F@QMIJ/1P'G1SNAF9.`8LUAO0)\$M@[F3DEG%?,%`B2
MV0WP&S>&*0(;:#=_@-H/(M@7;P@L7F1!#&OVAN"A@_B,*<=XE@V2!)WDA\$/
M8,=9%J0X;PG2KD<2S<S@2@.MI^>Y\$&4Q:A&.0XH`3Y=&,I<JR?`L?VH.CP
M6,64([DB*3-,N<P[09Y(X#F&[)A#PL?;ME2Y5`_)0<&>)0Q]Z9IFYM\7\N
MSB)TX:F@PEQ933='P?4.Y'#9#N5%='RG#%\$\$=R\ -BN&J9D:76EKAPG<[I]1
M>A\$(;A,,E(8BK1R6Z0PJ8\$73(&P6@RI8>YT17+'8A/<X7^B,J(U\$OMJSR\$0K
M*Z>#_6L&X48[@P:X(V'06(EBCR=1H!&;WZ"S2![0" <^H%04UU8-'C6C"2[P
M##J'(IC.L2CV55K7DT^!N.Y04_8#EWD3@+[;X0<S6!'XXQ@6"AR/X+'0XK\
M`&OOAL%"B%"PUZ48=Q4T8EF_%` `FD\$E;.TWJ"\NB\$YPLVM&L`G*H,LY!^3D
M@T#M&3/A=.D345^-`L%)LJQW88=EW,4WS-<NN6`9=T77("IAOC>C&Q9[U\<5
MHA&ZOT\$3C%3S]^C/(2#0`0.)L083>/S/H/&\$^?(0:(@0#T0)1=,'KZ>_D+M
M)-(:8)FFK/?-J0!T:#*LB4,CFN/095@3A_Z,=7\X]2*M<P%\ZMP0ECD-BN`F
ME\$\$Y;"\VJ\$@AF*9W/.&5YV,&-Z;*JWMI&T1X"WG^\$#1,,6>4GA'APM",L'<8
M!`MP,X(9Q_PA:-B%/W_U&1X*>GV\.98H\$R@6^=I^,GI!(J<GV(XU?P<:KN[G
MSSGG^\$,G*GJ!SI@')X;-/C.Z8:4Z\5UD8KA@1>RB"4N]2V["2IY8];NTQJSN
MTBN6<9=AW[OM\A\$;:)<_L!EW^7E`A%<"!I41%GM7)OA#-X35D/E3QR%FU8T2
M;%DWK; ",N-MX)A<LCYL],*=N]L0BNOCPR_P%V0*SY<6BNOP(AQ>#3E@10FQ9
M<[F"K>''<#?>6/@(QXQ@'\;\8=8+1N\AR6\P=8,@]I*H*%I!+IB?1V&)];\$
MX9GAB',,!ZS[8WS&04C,A,OWH87,0T\39,&I8')1.@W<82Z=!UP<E,X3GL4K
M=<!^K0;YQ"U[J."TGHY0/B@]"I8MRK]#A9%2G_\$/A]<8?M*&3S@DMH0`.,.

MCV9;B57KEG`]W%R<`FX7&%3!M:U!CQS1+H) 'Q>>/0(X/0*:/%H#\\$/ "[R#,K@
M0>?F\$L2PWC9_%U(2.` ,8!->=S>40#@+!7*6Y'&'G67-S\$[CQU=P=>+; (\$#@A
M&% (52&!N:0B\ /L'06%)K[CNX]VQ(00WWYN%&<#^U3_ "6>9_Z\$5R]]:D3-Q]K
M\ M., <N4#-(SYAWE_P;0*>*W*C&#AND]W!2S-&'1_8+[<:(H0); "_RZ` \P>3=
M6XWY\ M() ?^B=4_RAG\)&3X/R'0/E%]*J)6I@0=6@,13H-B(*8MB+9A#N4C4_
M[&.LPB"! \#.HNXBTD2B2J!+A&GM\$]@V:E`**Y<&Y7"2-ZCHSHCP(M^@KL4?
M' AJXWC%H@N53@^!Q]SX]IF?,Z;&K(*>%T]9G1#B%[(L=+.H:TF+>" [>!EPKT
MA8<[^OO"AY7_^.ASQY1BSD(X(G0OCA<H,2U`T^'&0*[GORYI@] `7H@5W+IG
M>'GD_`E-[1NKA.T/S3_A-OF,8&XR(W@.9_[^)=QYFE&3"(0#BT&P46-&8R/0
M65K8*^:/<):(8ECUGU\$BRACC4#9_J0.&*>15Y"&\$Q??Z49BRJ2_03@V3J-4QT
M9@13IAE=GX@:6:E-*W[8BFQM4GH%P^9A0`Z1>_WA5[LPQ*-Y^.SCC\$JL4(.P
MKKP0[K_. "*[09P3+NC.Z8D.;7B#3>F">\$>#@&H)MXV48'EXNCI9CM'MU*HI7
M9Z(2:ED)M2P+O&W+D)0XF2B;GV+9?'%\0\\$/8\R>L[R#!,,<M_(9LW@S[(A6&
M18`SAFZ?XM'W.)IU>Y'R/L<<[@MLH;T(I/T#G,<!>MS3B>%M6_,G).&<\$Y
MS*_GSV3"LM0\PU\$D7\,"T?R-1UC!Z9^[]3?,X!+E_G#:@K#F+C[U]T(9+-;/
M7ZE[H.6&L`PS()C\$,2-XQ&Y&72;1@"0@:,L&G06ZRA\^0D3Q('X87RX"P?EI
M_L0:; "R?42IRG\"; #68\$D36C4M17THA,)+'I<4:3*%`]Q5F=!\$ME,*NIQFU
M(JUT%)E(+Z)`*6PL?7U/3=1] %DLTB%K-8)XX(UG&["PB)T]\$5K??XHI>7R2#
M&UY#^CYB60/+IS.!^E2@`M-RTC1&E,\$.JOEC8.-=('AUW8R>(OD" [LV]T%,@
MN/*9/Z<UB-S7L"3U>@?L*!"&2>JTI3AB>Q.Y[T*15@=/=<ZHO@HTRA]BR*5.
M#[?K9I2)?/4PE9]1(UJ[QU'.H%\$4NX<7`P^E/\)S:':=X3U(0WFXP/QJN.Q&
M[&F7W66"8>BQ@V>YAH<'-RF&AQ\]/C;L_)D(-\WD!3GCY8=3[<(++J9Z#\!/9
MU.ZF\$9%;P<*401<XE<P(=AG,"-92IM;'H7%J)]'ECFC[\9`7RF\$YQ:`V\$6FU
M;8JHZT1:\$ZQ'3X,S0E`:U,`^IA?J`+EQ>T?4/-#RX31KR*5)\$5TWGX*:49!!
M5YP1W,@RZ`IOVINNQQ!*?0YW,/LZA_MM..#G*V;BP]SS0-)00_9\=%)X\$NF:
M[D)8\$IT_\$0\$/2,T([E;/Z'%d%)?BAPEL?S,HNS>(<KBS9E"5BB-6\\$/B(037L
M%C,(WY,RHS,6VSW#7;KK99='%[BGNP[>/_4XF[-P!6C?%A_1I[='0]M<4"Q_
M\$5U^]AR#\$.8_\VNXX>\$.-]S!VG-P<V#CYC'<P8L<YK_"IDDWY-_BX0_/%7+4
M&4)1<"A0\$\$4DQ-_ /QA-)!1- (#0DQ!,LH@R!"KZ)%0K%F56I"FF9.:D*B<G)
MJ04EJ2G0(ZJU%*5HB',B!/P5+XC=,H!(0`]AAQ9*@(KDA9P34012\$_3<\$-
M:!W8`2#/★A04Y2?EI.;"KD0`GZCHA!\$+<&&(R2[NEDYH2[=`ISJA74SLXF\$9
MC.62#;@P5* .W)=J!: -`!%!C;>XU0QO:T0-ONL5WL#1>&`WN!DS5*#Z\$K%U&
6.W7,S<P-:>Z\$2XHP``"ACX*\$#-4` `/:T

end

checksum 6C2B

bbc FFFFEE444 CD6E7168

Tue, 24 Aug 1993.18:25:59

----- cut here -----

73, and lot's of packet fun.

-martin-

--

"I-Man satta on the mountain top.	Name : Martin Heffels
Watching Babylon burning red hot"	e-mail : zap@hacktic.nl
- War inna Babylon, Max Romeo -	air-mail: PE1EEC@PI8JOP.NLD.EU

Date: 24 Aug 93 12:58:57 EDT
From: world!ksr!jfw@uunet.uu.net
Subject: SWR Meters
To: info-hams@ucsd.edu

ee2g+@andrew.cmu.edu (Eleen N. Kamas) writes:

>I have a [Rat Shack] SWR meter ... designed to be used for HF frequencies.
>Is it possible to modify it to work on 2 meters?

Not likely, not without gutting it and replacing the electronics entirely. SWR meters below 30 MHz usually use a toroidal sense transformer whose sensitivity drops with frequency; my Heathkit SWR meter came with a second toroid for those who wanted to build it as a 6-meter (only) version. 144MHz is high enough that you really start having to worry about parasitic inductance and capacitance, and the usual scheme is difficult to make work. However, there is a scheme that takes advantage of parasitic inductance for VHF SWR meters (called the Monimatch); probably some version of the ARRL Handbook has it (go buy one, now, just on general principles), though the 1984 copy I keep in my office doesn't. The Monimatch is essentially a transmission-line transformer built on epoxy circuit board.

>
> If someone would like to wax-eloquently on what exactly a SWR meter
>is really measuring in term that this Electrical Engineer can understand,
>I sure would appreciate it.

>
If you *really* want your eloquence waxed, go buy a copy of Maxwell's "Reflections", sold by the ARRL (in fact, buy one even if you DON'T), but here goes: an SWR meter measures the power going to the load and the power reflected back down the transmission line by the load. (Well, OK, it usually measures the voltages, but that's just a detail.) Some meters use a bridge scheme to obtain a ratio of the two to directly read SWR (which is equal to $(V_f + V_r) / (V_f - V_r)$), others just display forward and reverse power and let you figure it out (very fancy meters use crossed needles on one meter face to allow you to read forward and reverse power WHILE directly reading SWR). Where does the reflected power come from? While the forward wave is travelling up the line, it has a definite voltage and current whose ratio is set by the characteristic impedance of the line; each successive bit of the line "accepts" the power from the previous bit and offers it the same ratio. When the power hits the load, if the load has the same characteristic impedance, then it can accept all the power presented; if not, however, then suddenly V/I no longer equals R , and something has to give; the load wind up accepting some of the power, and the rest reflects back down the line, possibly with a phase shift as well. When that reflected wave hits the

generator (in the case of a transmitter, the generator's impedance is usually not even close to the characteristic impedance it wants to see presented to it), the power entirely (or nearly so) reflects back toward the load, cycling back and forth until cable losses make it vanish.

The job of a Transmatch, by the way, is not to make the antenna's impedance equal to 50 ohms (which it can't unless it is physically located at the antenna feedpoint); it is to present the transmitter with a 50-ohm load (a 50-ohm transmission line with a mismatched load will have an effective impedance of something other than 50 ohms). Most solid state transmitters generate power most efficiently when presented with their design impedance, and contain high-SWR shutdown circuitry to avoid burning up by inefficiently generating RF power when presented with the wrong load.

John, WB7EEL/1

Date: 25 Aug 93 01:22:04 GMT
From: munnari.oz.au!mel.dit.csiro.au!its.csiro.au!dmssyd.syd.dms.CSIRO.AU!metro!
mippet.ci.com.au!eram!dave@network.ucsd.edu
To: info-hams@ucsd.edu

References <24jtjnINN1ea@orb.apana.org.au>, <1993Aug20.124345.28826@ke4zv.uucp>, <258rktINN2js@orb.apana.org.au>i.c
Subject : Re: recommendations for 2m HT's please?

In article <258rktINN2js@orb.apana.org.au>,
craig@orb.apana.org.au (Craig Dewick) writes:

| >And in your part of the world, don't ignore
| >Tait. They make fine rugged radios.
|
| Tait? This is one I haven't heard of.

They're pretty big in the commercial world, but I've yet to seem them
on the surplus market.

--
Dave Horsfall (VK2KFU) VK2KFU @ VK2RWI.NSW.AUS.OC PGP 2.3
dave@esi.COM.AU ...munnari!esi.COM.AU!dave available

Date: 25 Aug 93 02:46:34 GMT
From: mnemosyne.cs.du.edu!nyx!jmaynard@uunet.uu.net
To: info-hams@ucsd.edu

References <CC0o14.H8n@westford.ccur.com>, <745820220snx@londonel.demon.co.uk>, <25e9od\$kfq@k2.San-Jose.ate.slb.com>
Subject : Re: A strange thing that happens when you are learning code

In article <25e9od\$kfq@k2.San-Jose.ate.slb.com> jones@San-Jose.ate.slb.com (Clark Jones) writes:

>I've sometimes been tempted to honk out "CQ" when I see a car with "ham"
>license plates... Anybody ever done this?

The horn button makes a lousy key. I find a quick "HI" more effective.

--

Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@oac.hsc.uth.tmc.edu | adequately be explained by stupidity.
"iHaTeX." -- Andrew Burt

End of Info-Hams Digest V93 #1010
